

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051617\
 Data File : BF095170.D
 Acq On : 16 May 2017 22:39
 Operator : SJ/MA
 Sample : I3167-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MEADOW-SOIL

Manual Integrations
 APPROVED

mohammad
 5/17/2017 5:49:21 PM

Quant Time: May 17 07:45:15 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	101905	20.00	ng	0.05
21) Naphthalene-d8	9.79	136	403618	20.00	ng	0.04
38) Acenaphthene-d10	12.62	164	175740	20.00	ng	0.04
63) Phenanthrene-d10	15.02	188	264852	20.00	ng	0.04
75) Chrysene-d12	18.69	240	204525	20.00	ng	0.04
86) Perylene-d12	20.37	264	173739	20.00	ng	0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.74	112	605813	99.11	ng	0.06
7) Phenol-d6	7.31	99	758724	103.46	ng	0.04
23) Nitrobenzene-d5	8.67	82	418792	65.43	ng	0.04
41) 2,4,6-Tribromophenol	13.92	330	129900	90.26	ng	0.04
44) 2-Fluorobiphenyl	11.56	172	711771	58.30	ng	0.03
78) Terphenyl-d14	17.34	244	374922	40.38	ng	0.02

Target Compounds						Qvalue
31) Naphthalene	9.82	128	51169	2.52	ng	96
49) Dimethylphthalate	12.25	163	106314	7.37	ng	99
51) Acenaphthene	12.67	154	31208	2.79	ng	98
54) Dibenzofuran	12.97	168	37760	2.44	ng	95
57) Fluorene	13.52	166	28033	2.08	ng	# 95
70) Phenanthrene	15.06	178	434261	28.54	ng	98
71) Anthracene	15.15	178	73489	4.73	ng	94
74) Fluoranthene	16.80	202	381412	24.43	ng	98
77) Pyrene	17.10	202	324000	21.18	ng	95
80) Benzo(a)anthracene	18.68	228	110955	9.32	ng	98
82) Chrysene	18.72	228	109609	9.52	ng	98
85) Indeno(1,2,3-cd)pyrene	21.71	276	34829	3.73	ng	92
87) Benzo(b)fluoranthene	19.96	252	108235m	10.08	ng	
88) Benzo(k)fluoranthene	19.99	252	43424m	4.19	ng	
89) Benzo(a)pyrene	20.31	252	77928	7.87	ng	94
91) Benzo(g,h,i)perylene	22.10	276	37841	4.71	ng	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

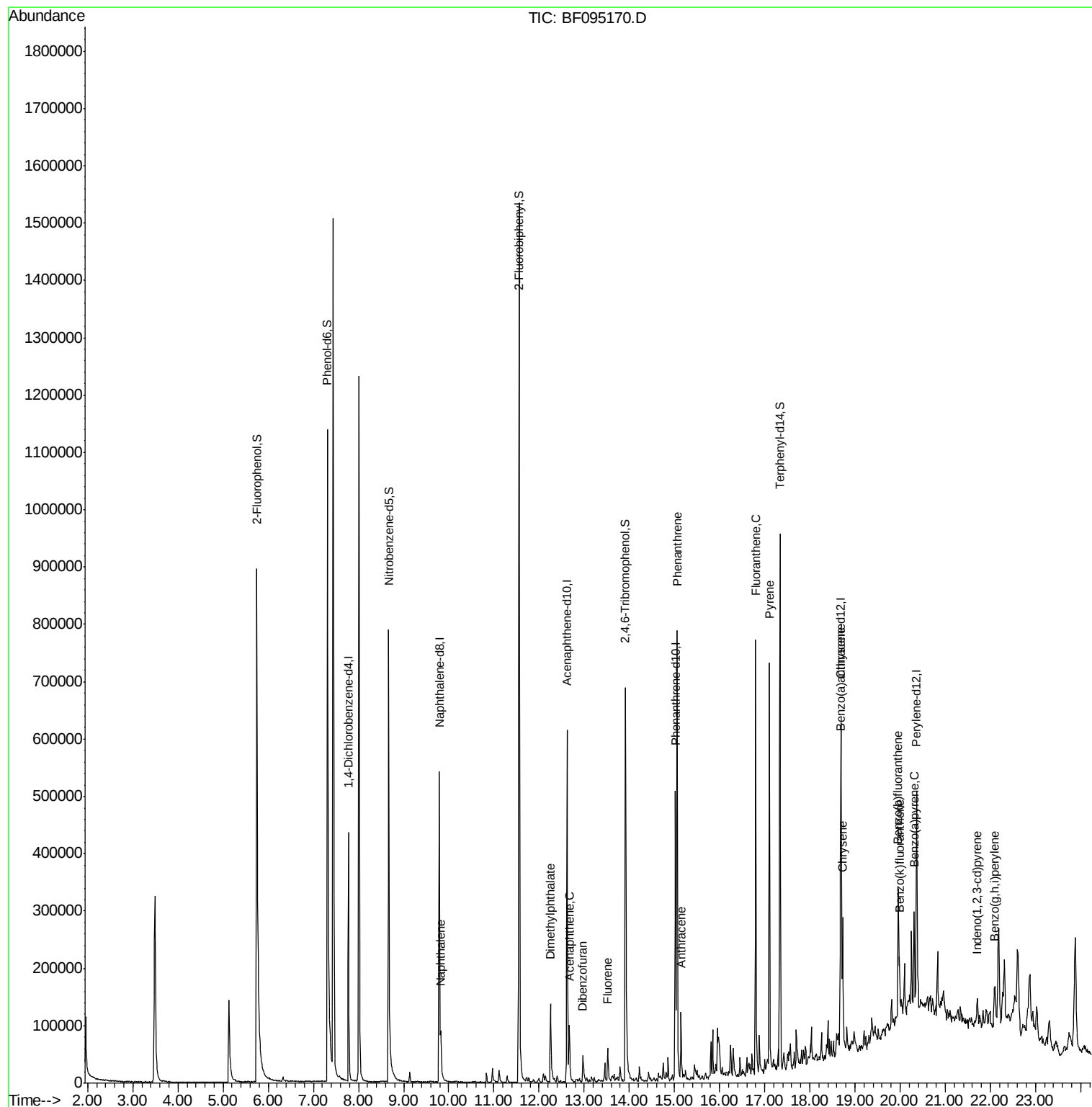
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051617\
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ALS Vial : 14 Sample Multiplier: 1

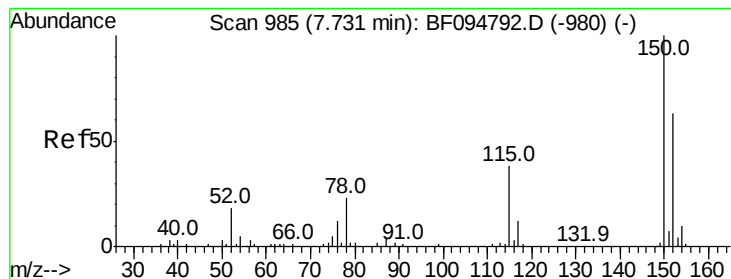
Instrument :
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#1

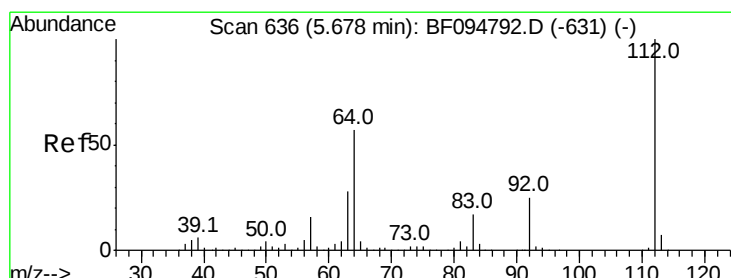
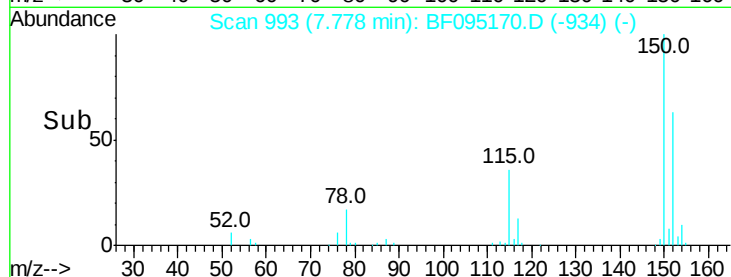
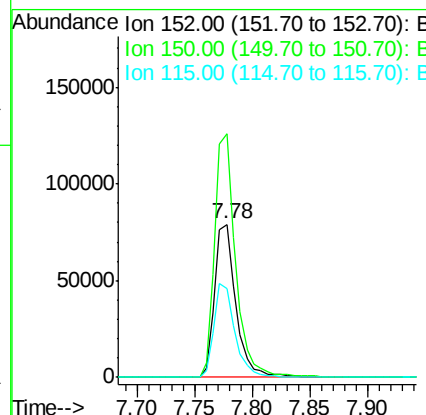
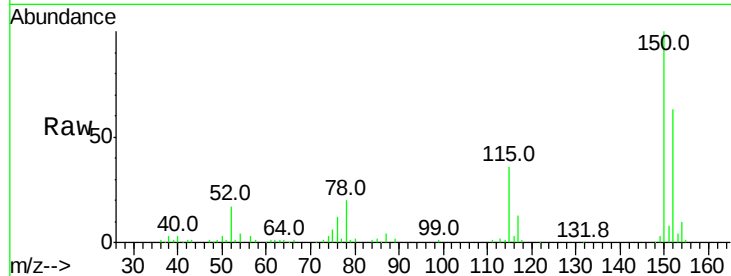
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.78 min Scan# 993
Delta R.T. 0.05 min
Lab File: BF095170.D
Acq: 16 May 2017 22:39

Instrument :
BNA_F
ClientSampleId :
MEADOW-SOIL

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	126.2	189.2
115	57.9	52.2	78.2

Manual Integrations
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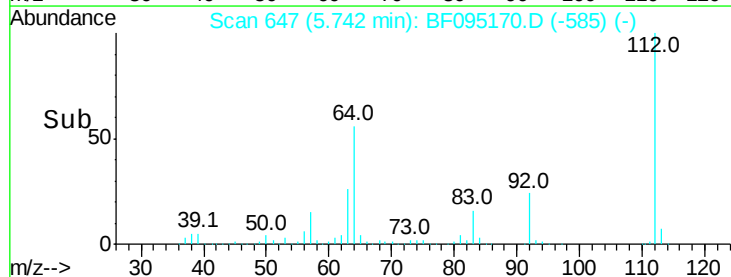
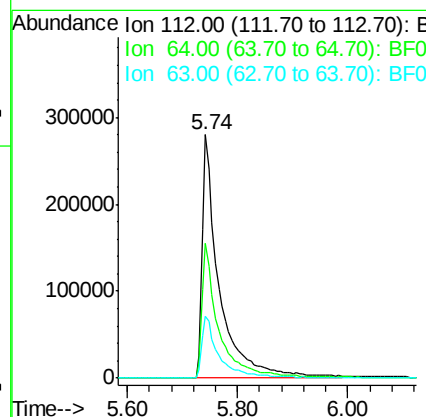
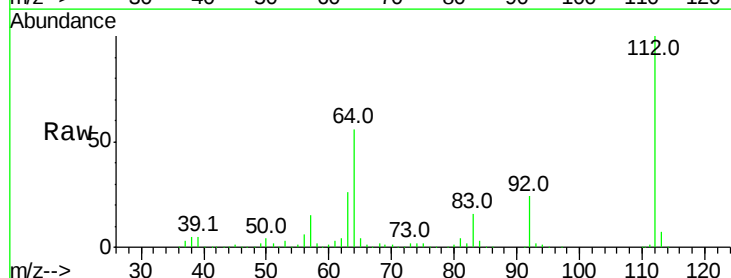
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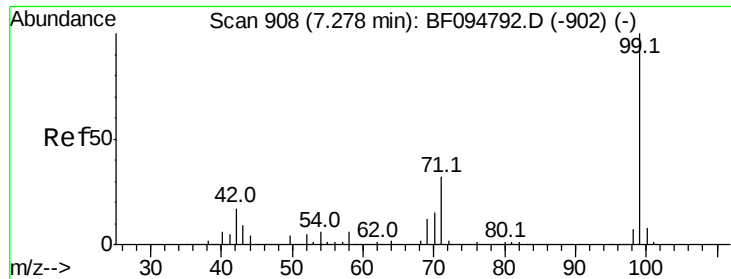


#5

2-Fluorophenol
Concen: 99.11 ng
RT: 5.74 min Scan# 647
Delta R.T. 0.06 min
Lab File: BF095170.D
Acq: 16 May 2017 22:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	46.0	69.0
63	25.6	23.4	35.0





#7

Phenol-d6

Concen: 103.46 ng

RT: 7.31 min Scan# 914

Delta R.T. 0.04 min

Lab File: BF095170.D

Acq: 16 May 2017 22:39

Instrument :

BNA_F

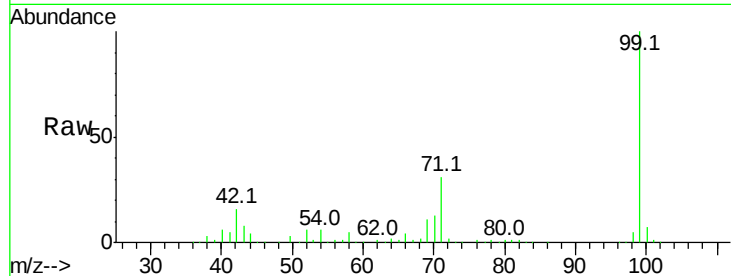
ClientSampleId :

MEADOW-SOIL

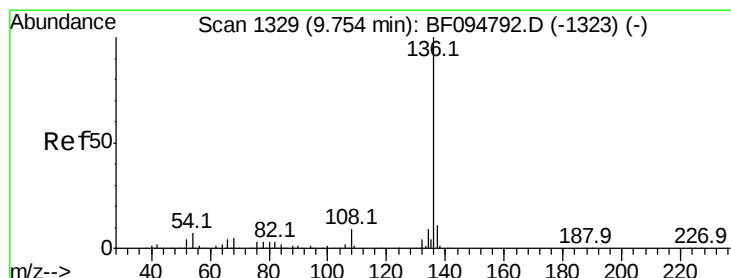
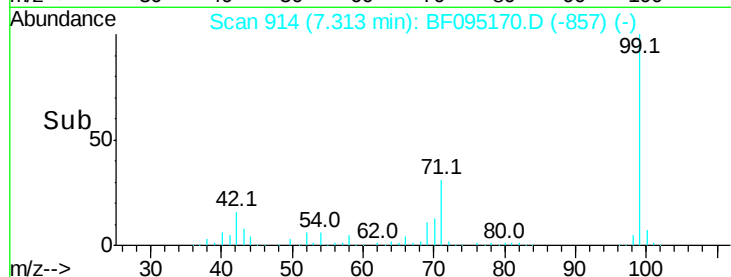
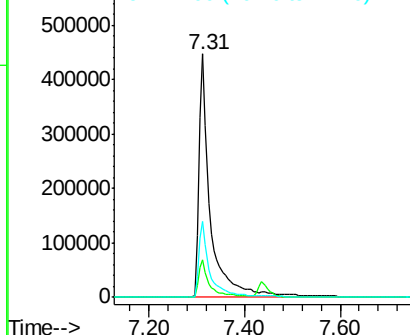
Tot Ion:	99	Resp:	758724
Ion Ratio	Lower	Upper	
99	100		
42	15.5	13.5	20.3
71	31.1	24.5	36.7

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.79 min Scan# 1335

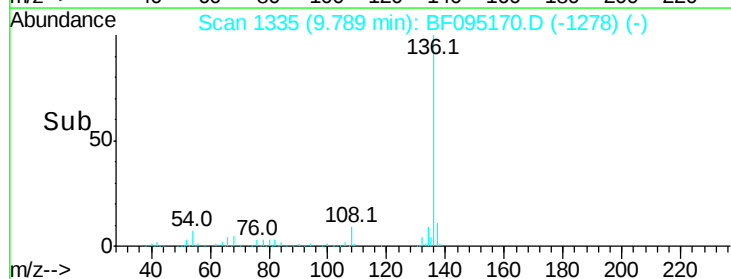
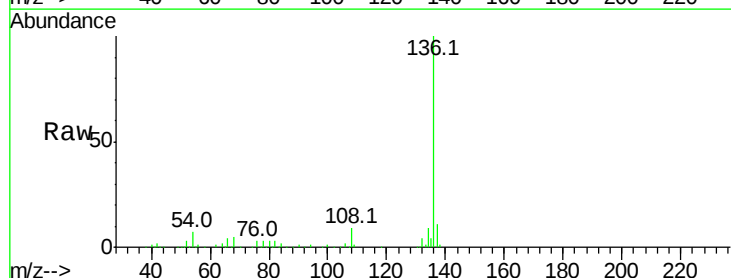
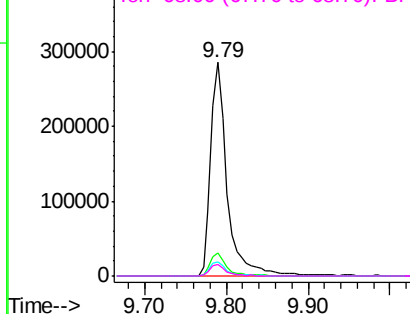
Delta R.T. 0.04 min

Lab File: BF095170.D

Acq: 16 May 2017 22:39

Tgt Ion:	136	Resp:	403618
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.5	12.7
54	6.8	4.9	7.3
68	5.4	4.1	6.1

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





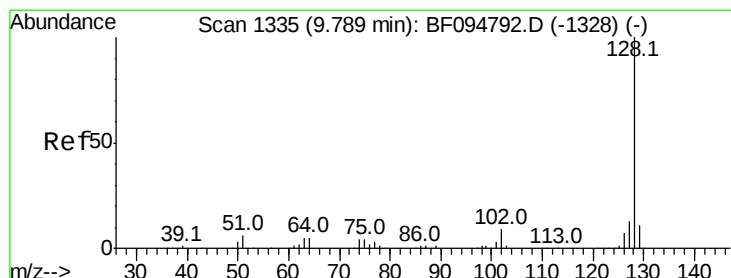
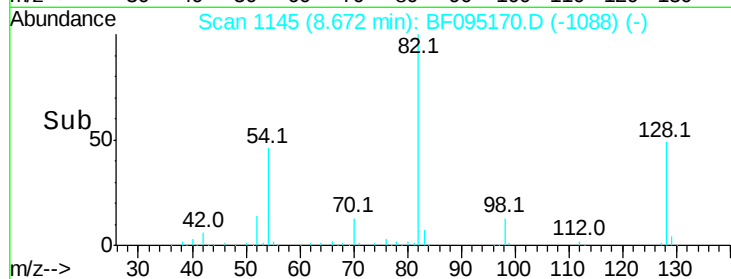
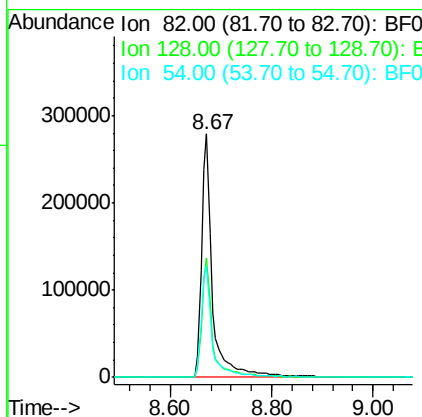
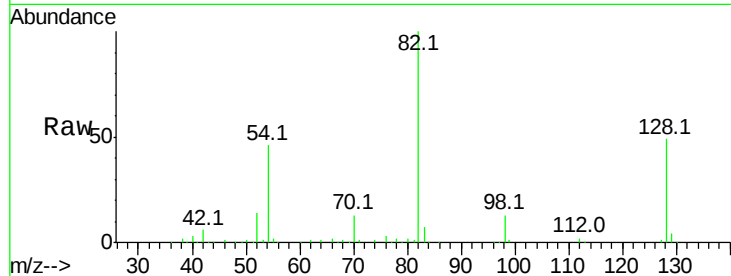
#23
 Nitrobenzene-d5
 Concen: 65.43 ng
 RT: 8.67 min Scan# 1145
 Delta R.T. 0.04 min
 Lab File: BF095170.D
 Acq: 16 May 2017 22:39

Instrument :
 BNA_F
 ClientSampleId :
 MEADOW-SOIL

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.1	34.0	51.0
54	45.8	42.2	63.2

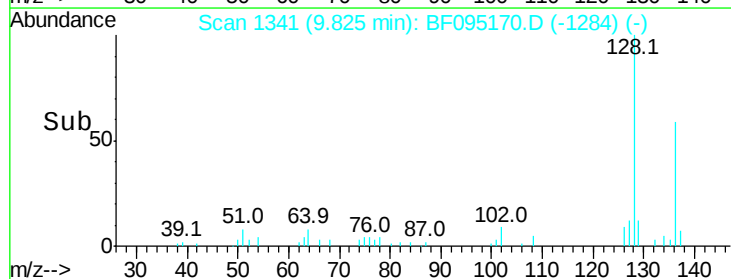
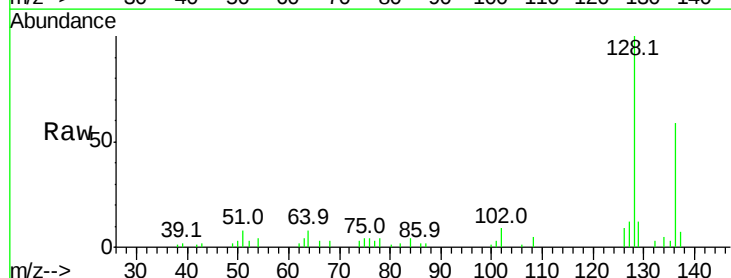
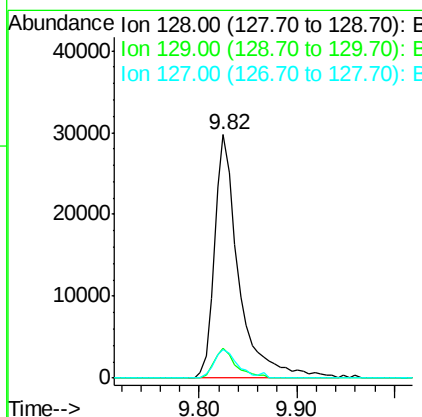
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#31
 Naphthalene
 Concen: 2.52 ng
 RT: 9.82 min Scan# 1341
 Delta R.T. 0.04 min
 Lab File: BF095170.D
 Acq: 16 May 2017 22:39

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.4	9.0	13.6
127	11.8	10.8	16.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.62 min Scan# 1816

Delta R.T. 0.04 min

Lab File: BF095170.D

Acq: 16 May 2017 22:39

Instrument :

BNA_F

ClientSampleId :

MEADOW-SOIL

Tot Ion:164 Resp: 175740

Ion Ratio Lower Upper

164 100

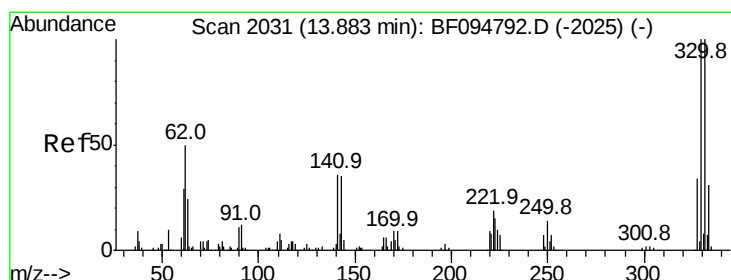
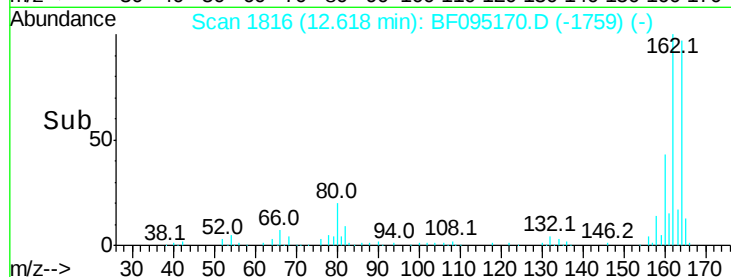
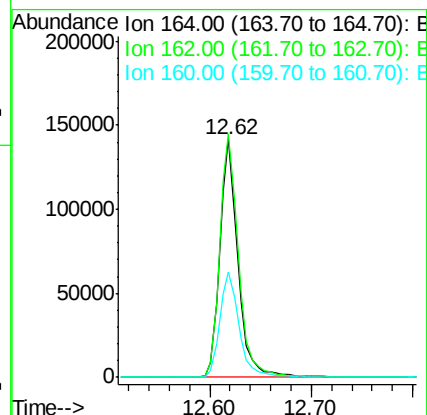
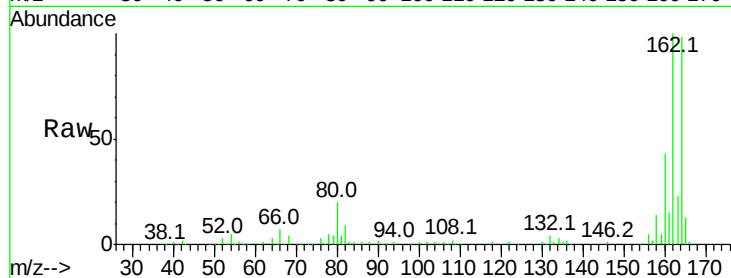
162 102.2 82.6 123.8

160 44.3 36.2 54.2

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#41

2,4,6-Tribromophenol

Concen: 90.26 ng

RT: 13.92 min Scan# 2037

Delta R.T. 0.04 min

Lab File: BF095170.D

Acq: 16 May 2017 22:39

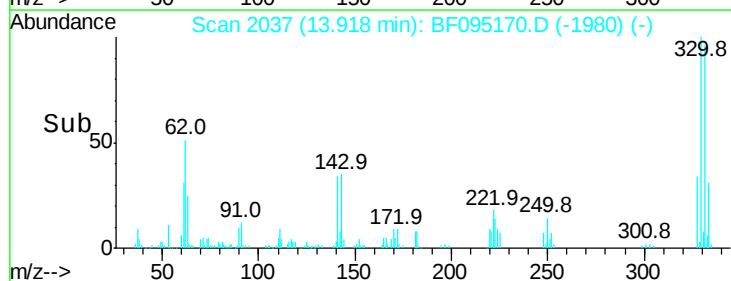
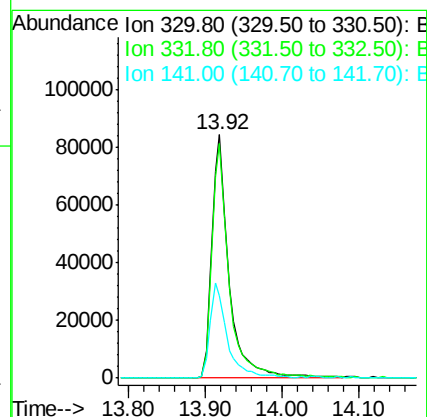
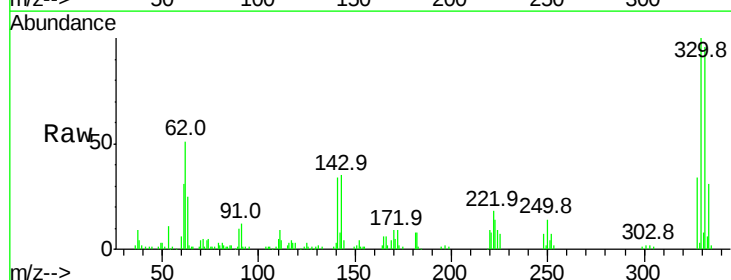
Tgt Ion:330 Resp: 129900

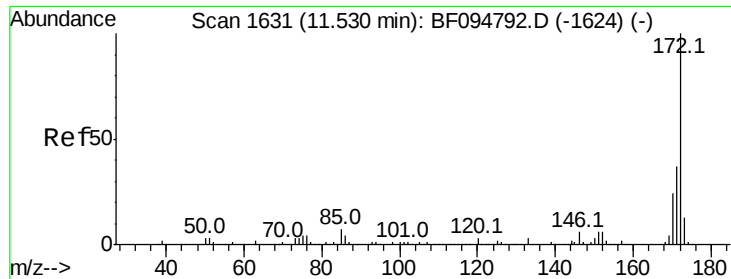
Ion Ratio Lower Upper

330 100

332 95.4 76.6 115.0

141 39.5 31.4 47.2





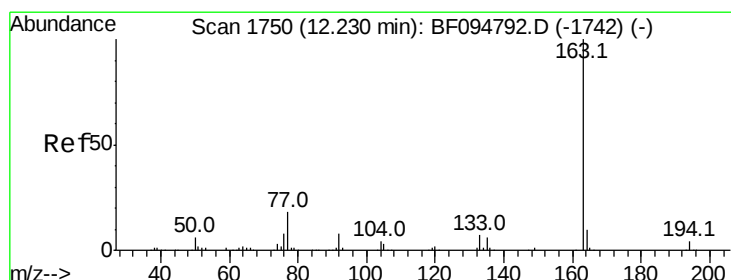
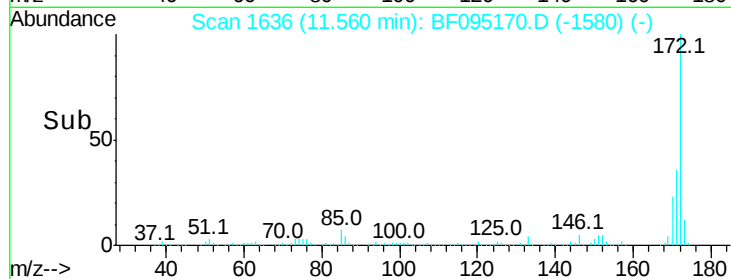
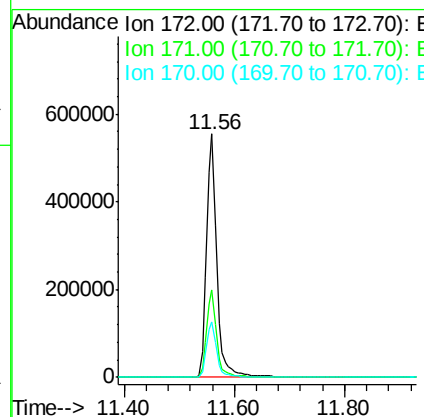
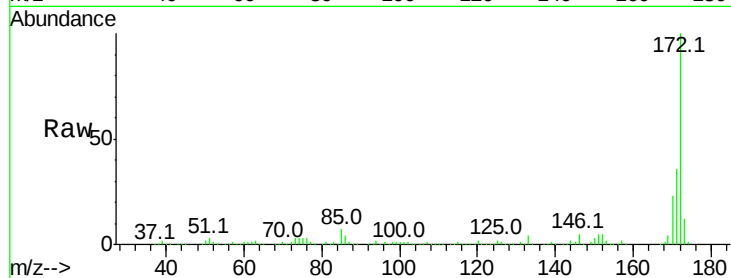
#44
2-Fluorobiphenyl
Concen: 58.30 ng
RT: 11.56 min Scan# 1636
Delta R.T. 0.03 min
Lab File: BF095170.D
Acq: 16 May 2017 22:39

Instrument :
BNA_F
ClientSampleId :
MEADOW-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
172	100	711771		
171	35.9		29.6	44.4
170	23.0		19.8	29.8

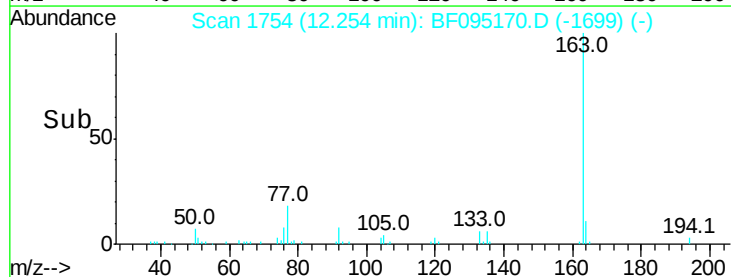
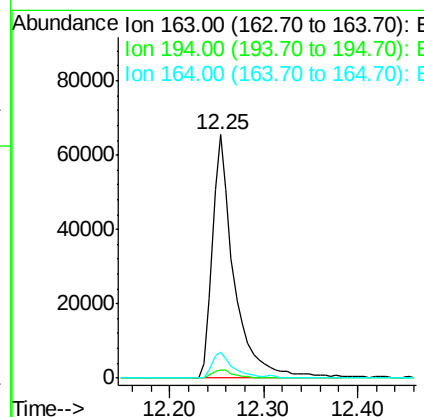
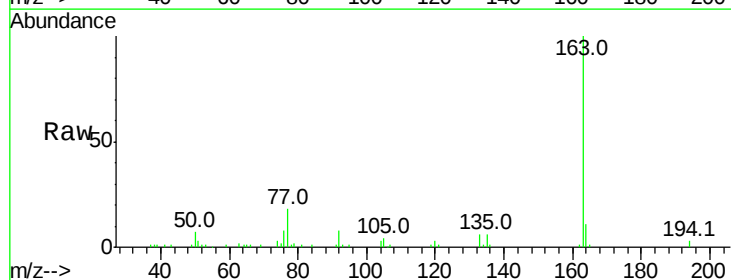
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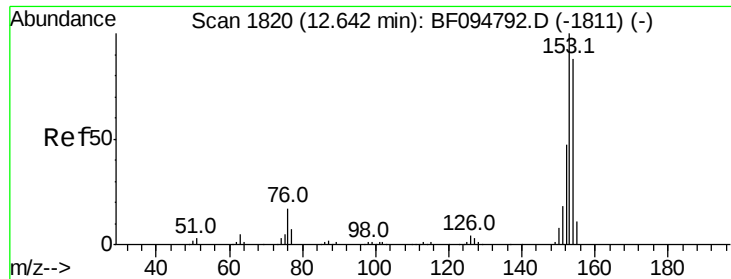
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#49
Dimethylphthalate
Concen: 7.37 ng
RT: 12.25 min Scan# 1754
Delta R.T. 0.02 min
Lab File: BF095170.D
Acq: 16 May 2017 22:39

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	106314		
194	3.3		2.6	4.0
164	10.9		8.4	12.6





#51

Acenaphthene

Concen: 2.79 ng

RT: 12.67 min Scan# 1825

Delta R.T. 0.03 min

Lab File: BF095170.D

Acq: 16 May 2017 22:39

Instrument :

BNA_F

ClientSampleId :

MEADOW-SOIL

Tot Ion:154 Resp: 31208

Ion Ratio Lower Upper

154 100

153 111.9 90.5 135.7

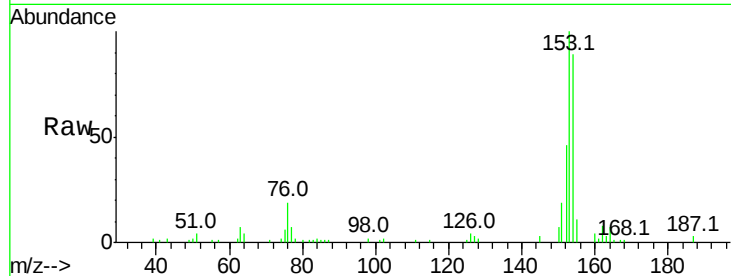
152 51.0 43.6 65.4

Manual Integrations

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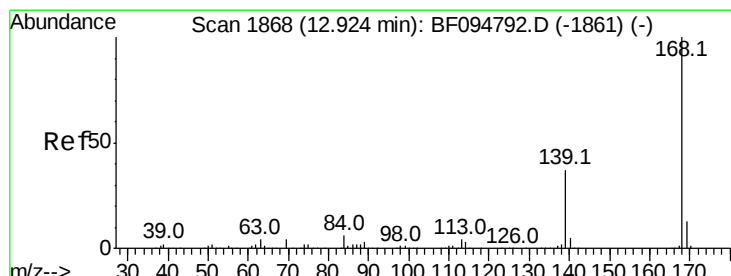
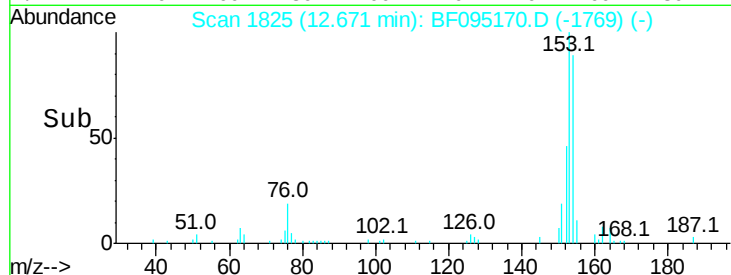
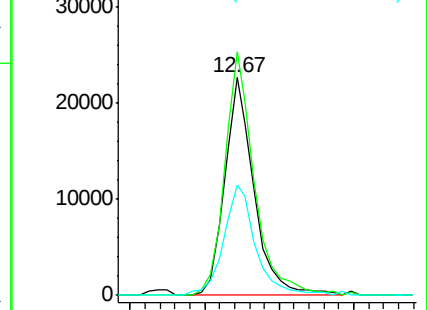
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.44 ng

RT: 12.97 min Scan# 1876

Delta R.T. 0.05 min

Lab File: BF095170.D

Acq: 16 May 2017 22:39

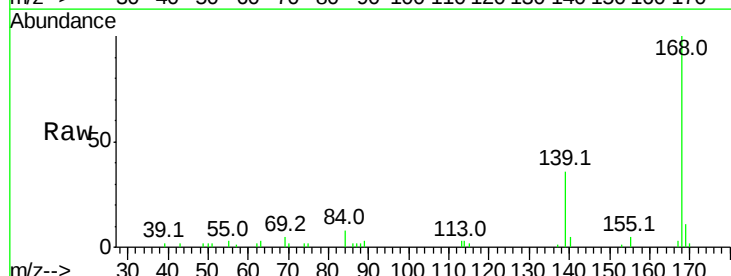
Tgt Ion:168 Resp: 37760

Ion Ratio Lower Upper

168 100

139 35.6 30.6 45.8

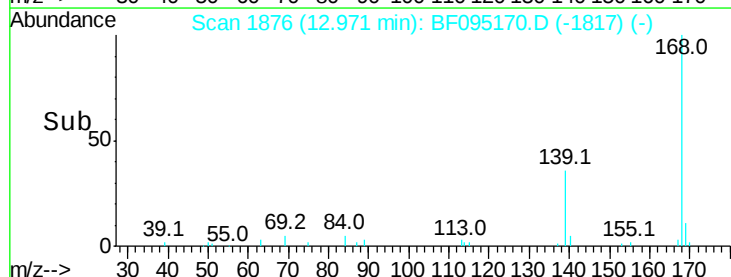
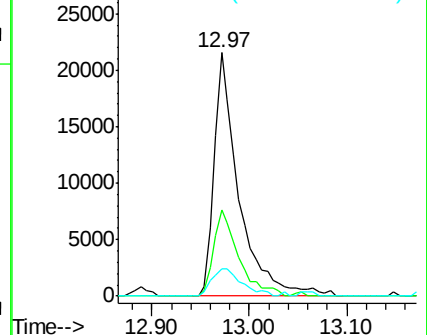
169 11.4 10.8 16.2

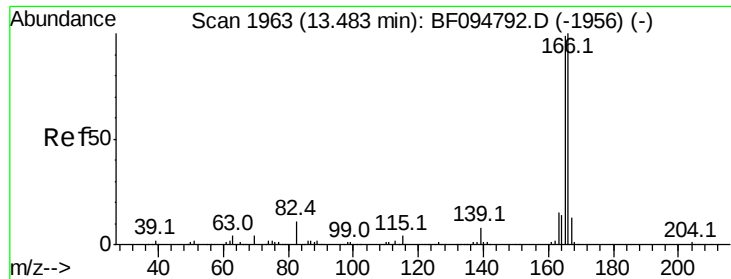


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





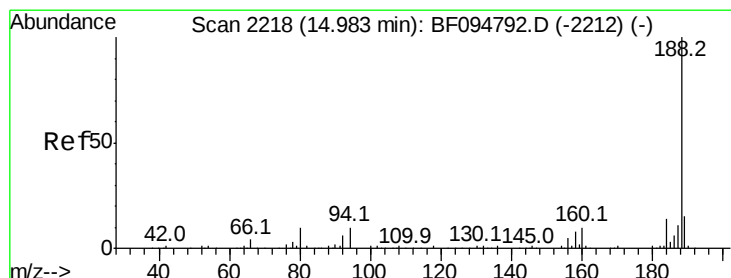
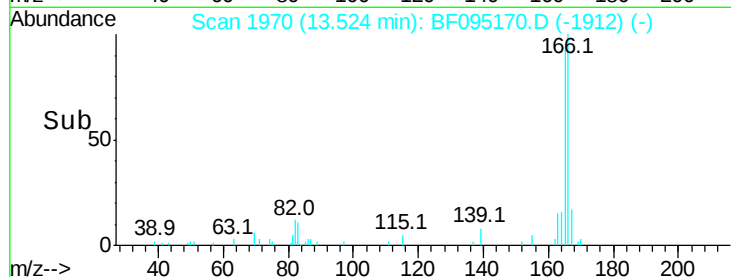
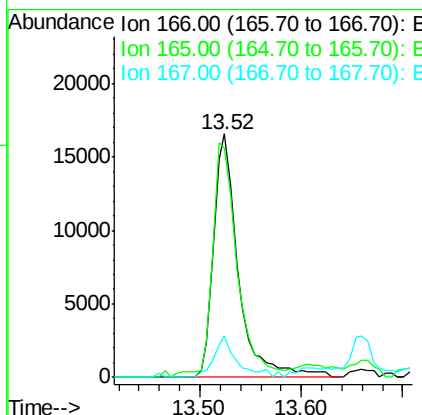
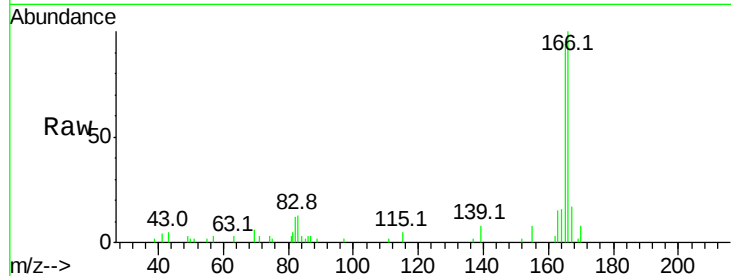
#57
Fluorene
 Concen: 2.08 ng
 RT: 13.52 min Scan# 1970
 Delta R.T. 0.04 min
 Lab File: BF095170.D
 Acq: 16 May 2017 22:39

Instrument :
 BNA_F
 ClientSampleId :
 MEADOW-SOIL

Tot Ion	Ratio	Lower	Upper
166	100		
165	94.4	78.8	118.2
167	16.9	10.6	16.0

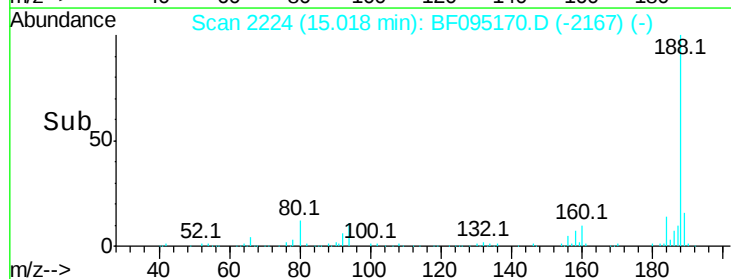
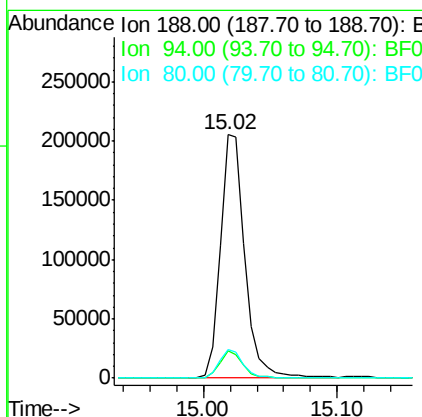
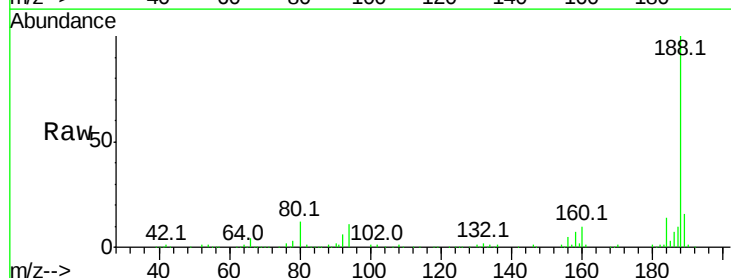
Manual Integrations
 APPROVED

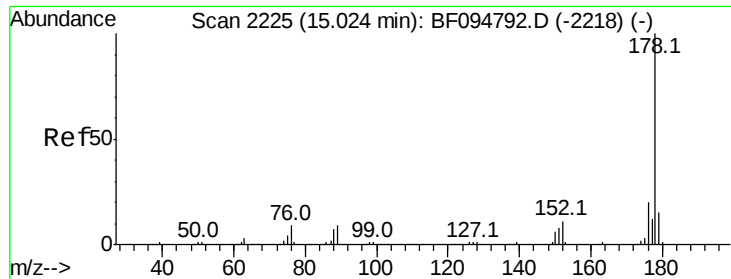
mohammad
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.02 min Scan# 2224
 Delta R.T. 0.04 min
 Lab File: BF095170.D
 Acq: 16 May 2017 22:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.0	9.4	14.2
80	11.7	10.2	15.2





#70

Phenanthrene

Concen: 28.54 ng

RT: 15.06 min Scan# 2231

Delta R.T. 0.04 min

Lab File: BF095170.D

Acq: 16 May 2017 22:39

Instrument :

BNA_F

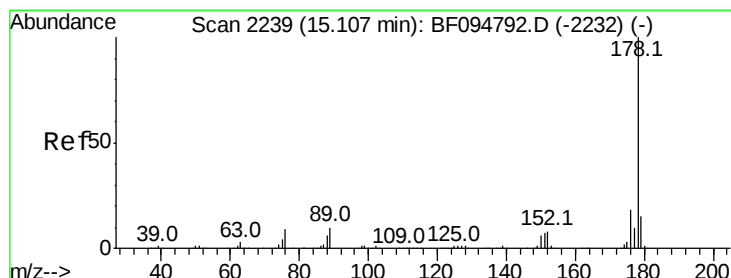
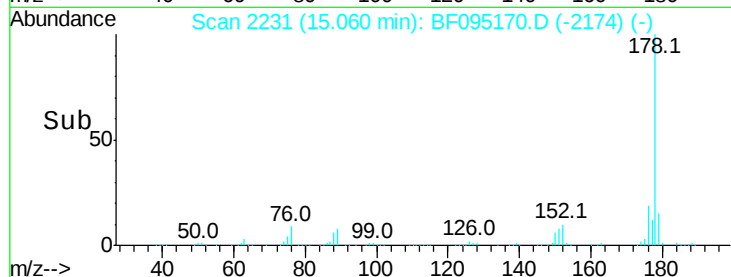
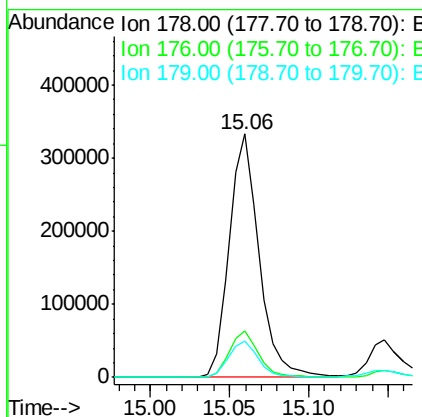
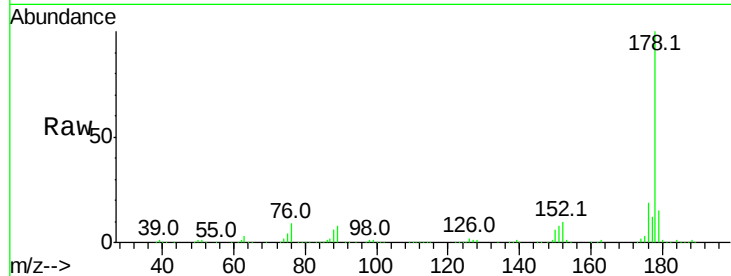
ClientSampleId :

MEADOW-SOIL

Tot Ion:178	Resp:	434261
Ion Ratio	Lower	Upper
178	100	
176	19.1	16.2 24.4
179	15.1	12.6 19.0

Manual Integrations
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#71

Anthracene

Concen: 4.73 ng

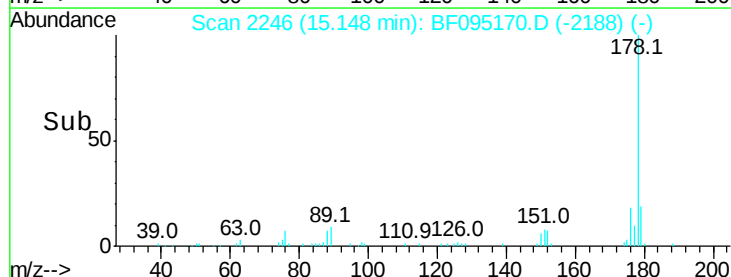
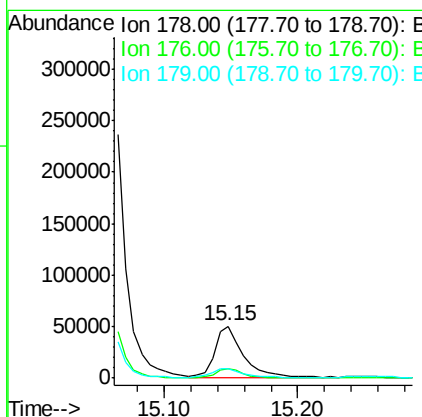
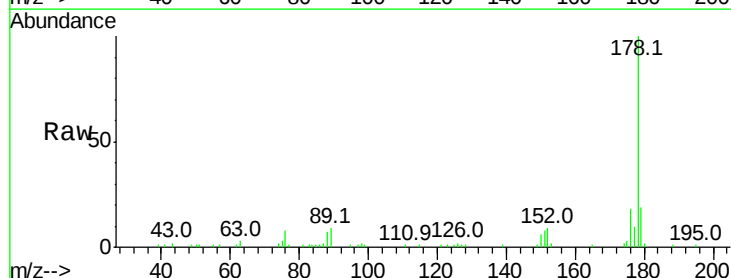
RT: 15.15 min Scan# 2246

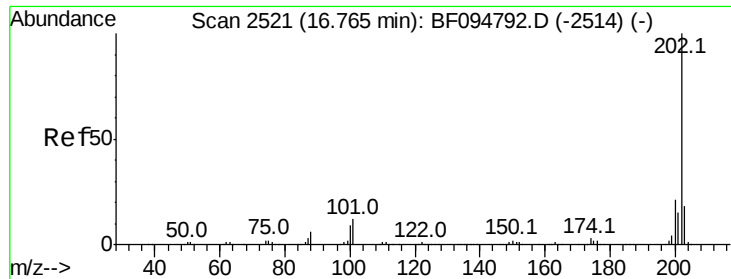
Delta R.T. 0.04 min

Lab File: BF095170.D

Acq: 16 May 2017 22:39

Tgt Ion:178	Resp:	73489
Ion Ratio	Lower	Upper
178	100	
176	17.7	15.8 23.8
179	19.0	12.7 19.1





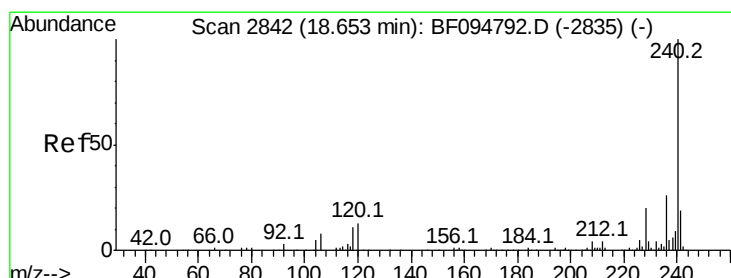
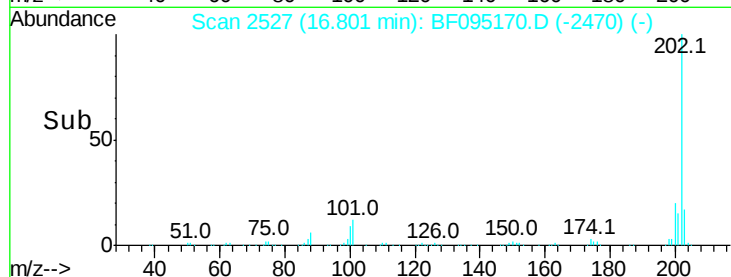
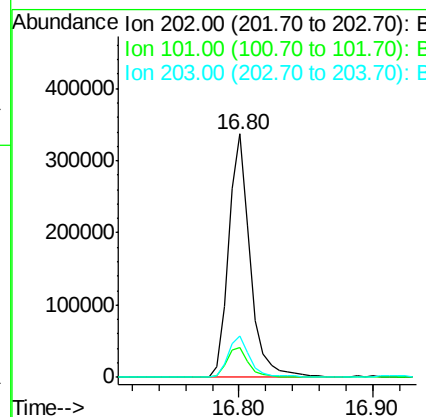
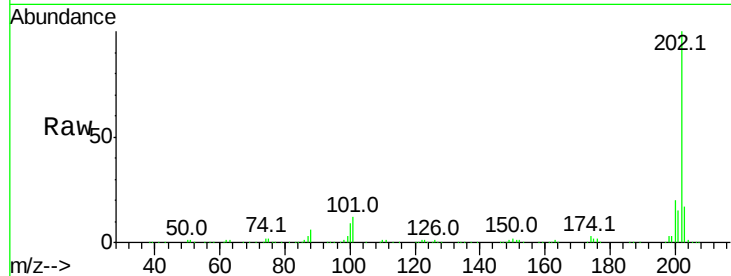
#74
Fluoranthene
 Concen: 24.43 ng
 RT: 16.80 min Scan# 2527
 Delta R.T. 0.04 min
 Lab File: BF095170.D
 Acq: 16 May 2017 22:39

Instrument :
 BNA_F
 ClientSampleId :
 MEADOW-SOIL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.2	0.0	33.2
203	17.2	0.0	38.1

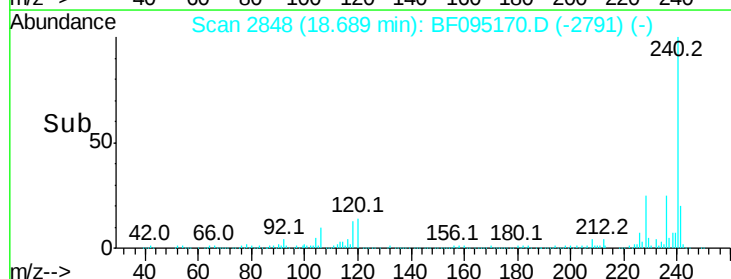
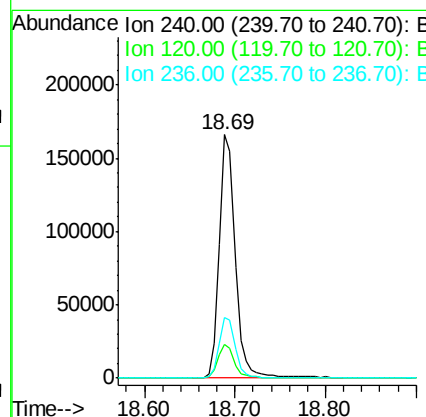
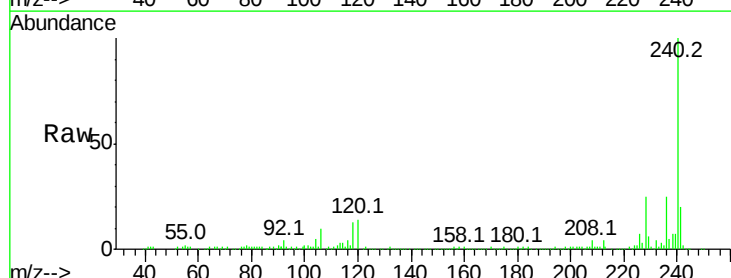
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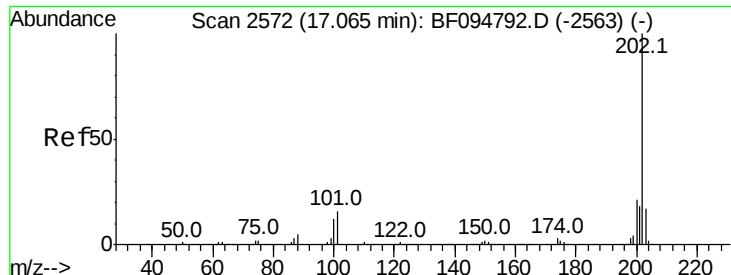
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#75
Chrysene-d12
 Concen: 20.00 ng
 RT: 18.69 min Scan# 2848
 Delta R.T. 0.04 min
 Lab File: BF095170.D
 Acq: 16 May 2017 22:39

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.1	5.8	8.8#
236	24.9	20.5	30.7





#77

Pvrene

Concen: 21.18 ng

RT: 17.10 min Scan# 2578

Delta R.T. 0.04 min

Lab File: BF095170.D

Acq: 16 May 2017 22:39

Instrument :

BNA_F

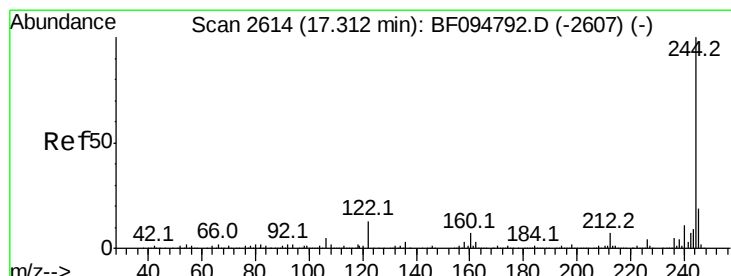
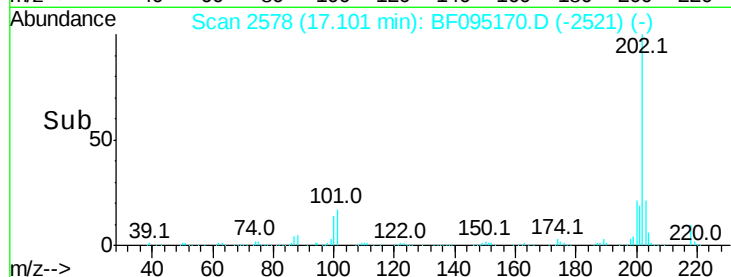
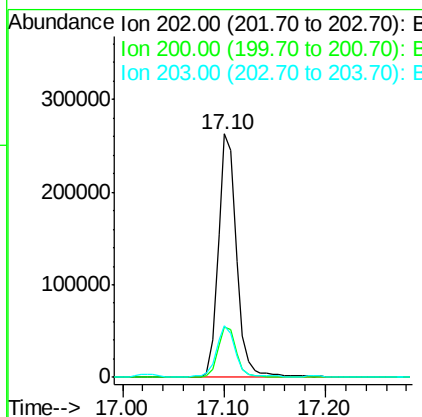
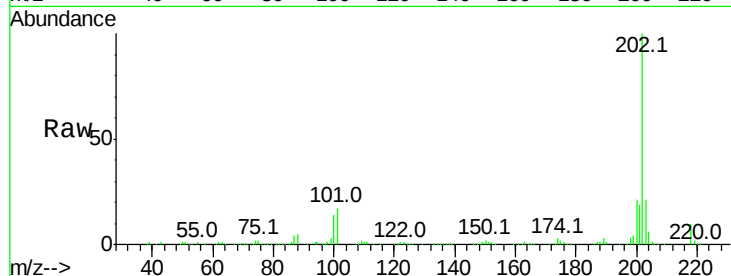
ClientSampleId :

MEADOW-SOIL

Tot Ion:	202	Resp:	324000
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.6	26.4
203	21.4	14.4	21.6

Manual Integrations
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#78

Terphenyl-d14

Concen: 40.38 ng

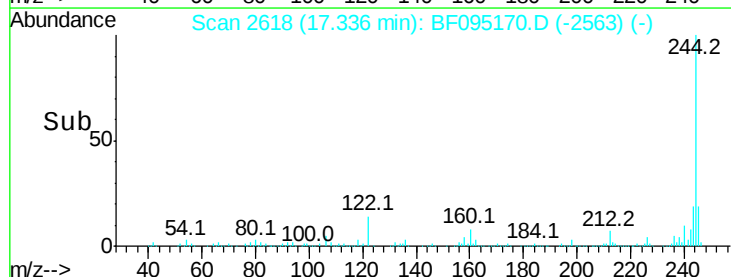
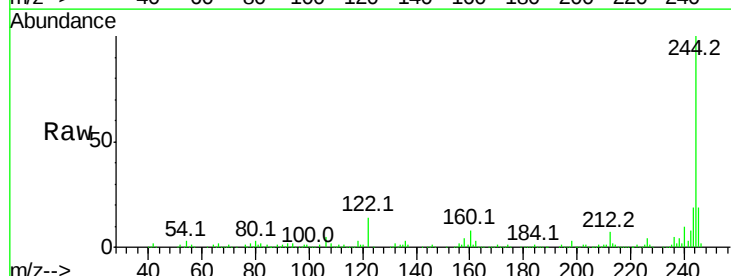
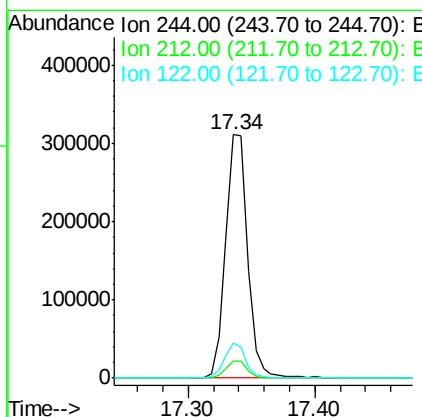
RT: 17.34 min Scan# 2618

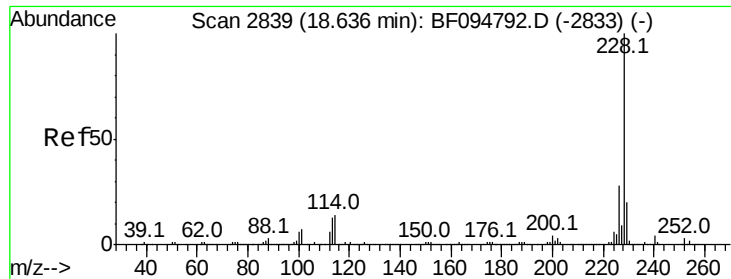
Delta R.T. 0.02 min

Lab File: BF095170.D

Acq: 16 May 2017 22:39

Tgt Ion:	244	Resp:	374922
Ion Ratio	Lower	Upper	
244	100		
212	7.0	6.0	9.0
122	14.3	10.3	15.5





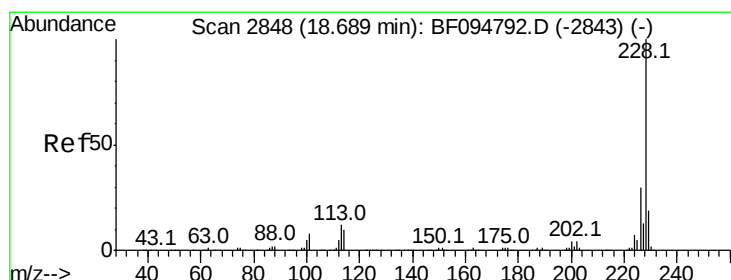
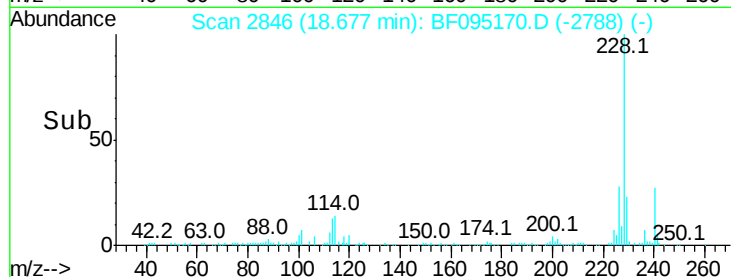
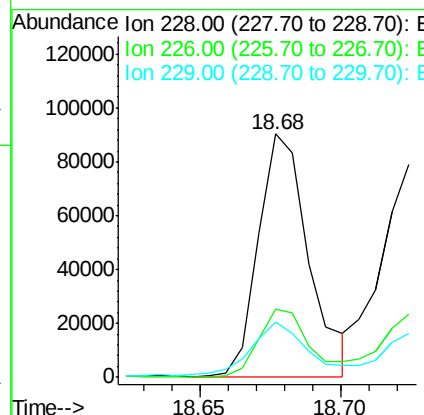
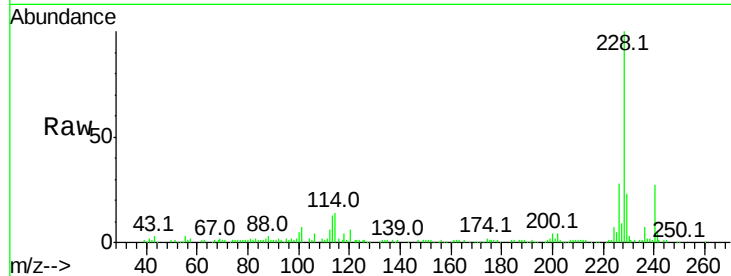
#80
Benzo(a)anthracene
Concen: 9.32 ng
RT: 18.68 min Scan# 2846
Delta R.T. 0.04 min
Lab File: BF095170.D
Acq: 16 May 2017 22:39

Instrument :
BNA_F
ClientSampleId :
MEADOW-SOIL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	22.7	16.3	24.5

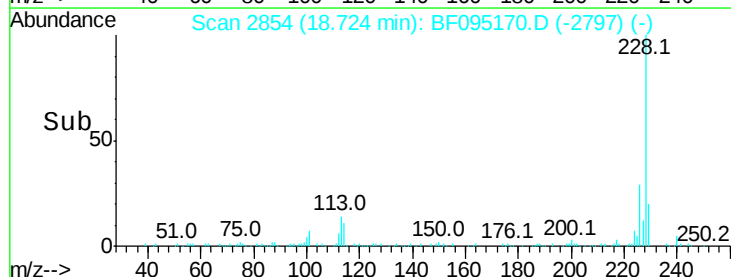
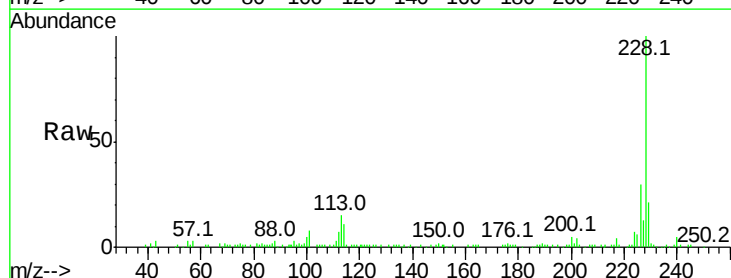
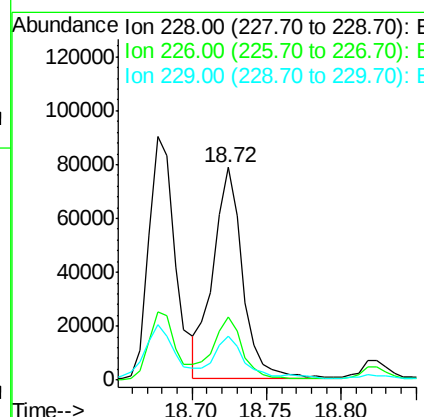
Manual Integrations
APPROVED

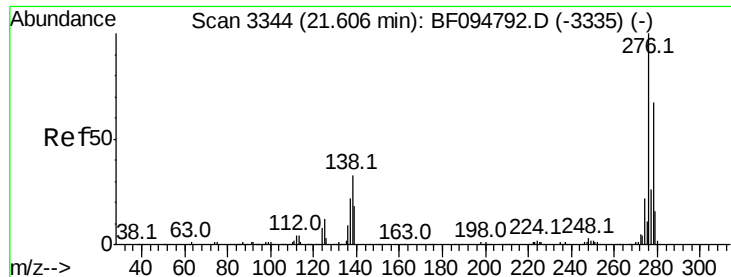
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#82
Chrysene
Concen: 9.52 ng
RT: 18.72 min Scan# 2854
Delta R.T. 0.04 min
Lab File: BF095170.D
Acq: 16 May 2017 22:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.9	37.3
229	20.5	15.8	23.6





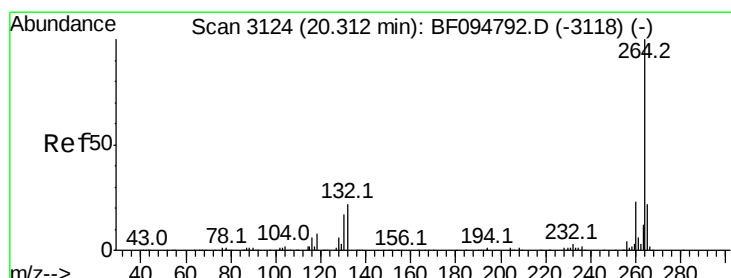
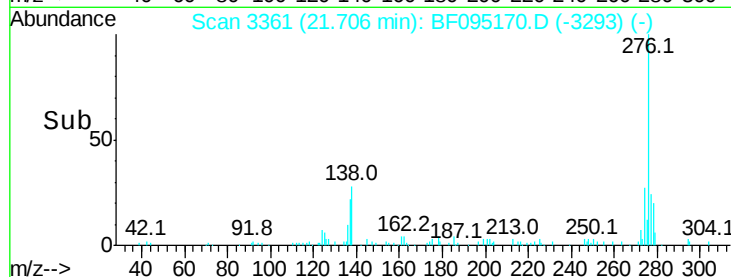
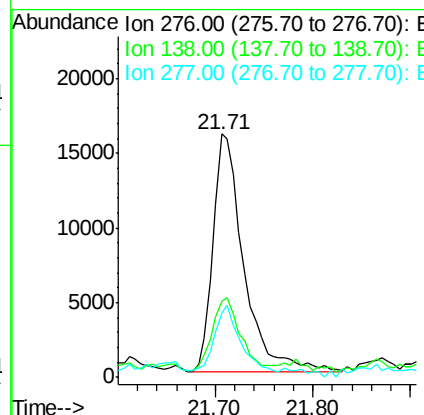
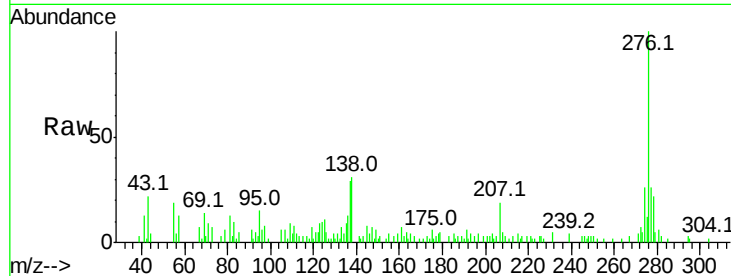
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.73 ng
RT: 21.71 min Scan# 3361
Delta R.T. 0.10 min
Lab File: BF095170.D
Acq: 16 May 2017 22:39

Instrument :
BNA_F
ClientSampleId :
MEADOW-SOIL

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.2	27.8	41.6
277	23.9	20.2	30.4

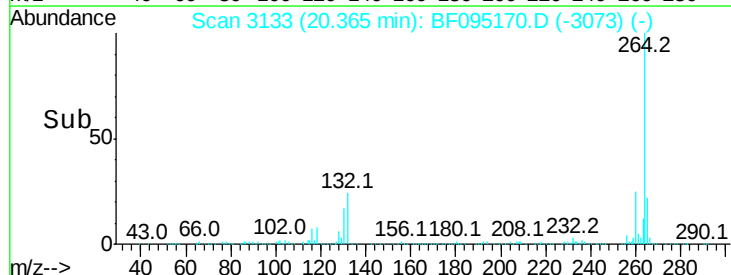
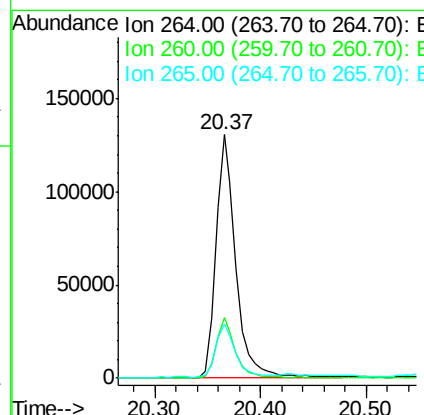
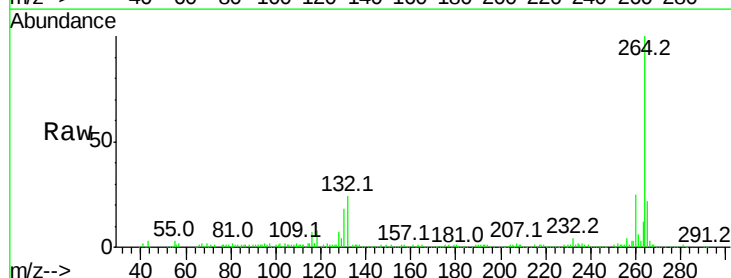
Manual Integrations
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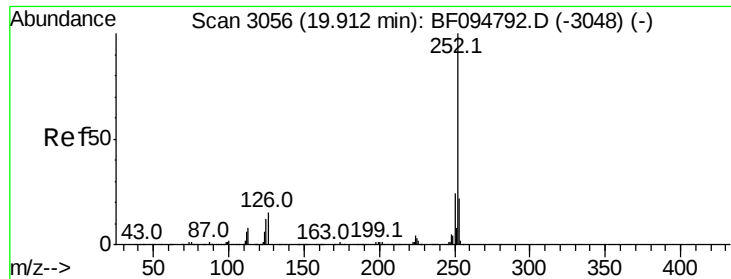
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 20.37 min Scan# 3133
Delta R.T. 0.05 min
Lab File: BF095170.D
Acq: 16 May 2017 22:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.5	29.3
265	22.2	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 10.08 ng m

RT: 19.96 min Scan# 3064

Delta R.T. 0.05 min

Lab File: BF095170.D

Acq: 16 May 2017 22:39

Instrument :

BNA_F

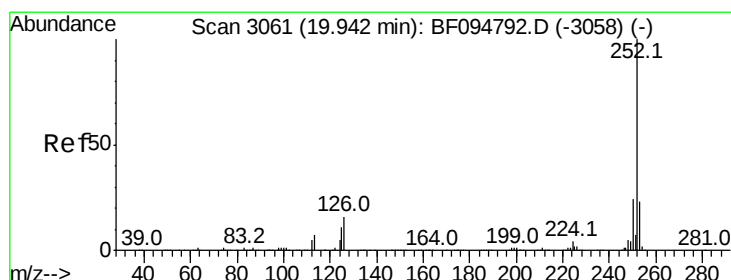
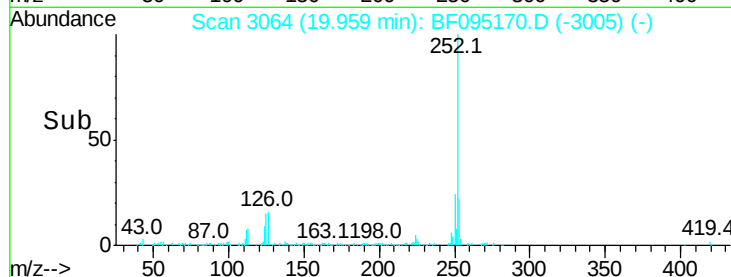
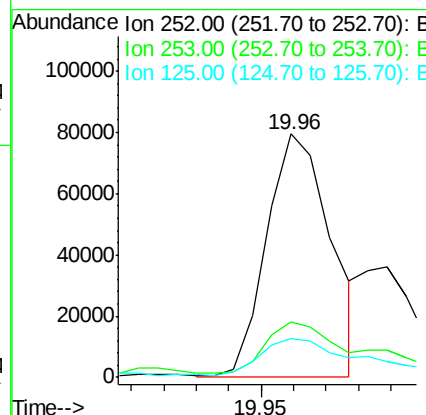
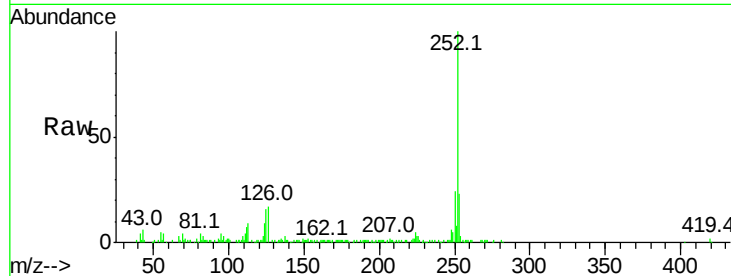
ClientSampled :

MEADOW-SOIL

Tot Ion:	252	Resp:	108235
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.1	27.1
125	16.0	9.8	14.8

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 4.19 ng m

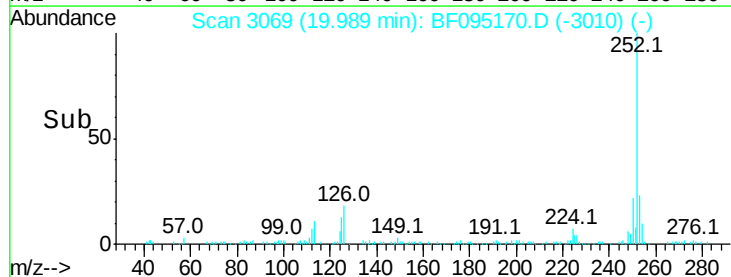
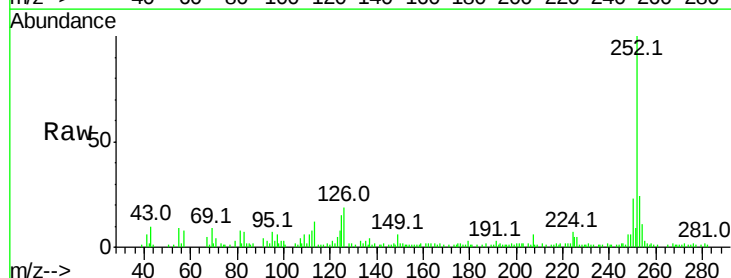
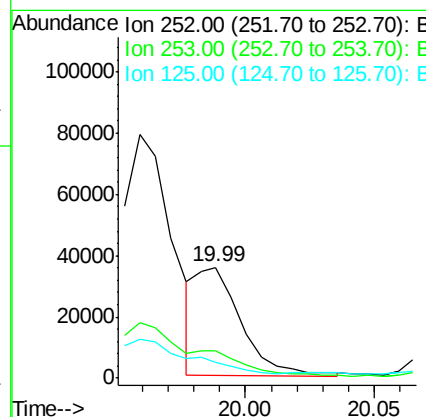
RT: 19.99 min Scan# 3069

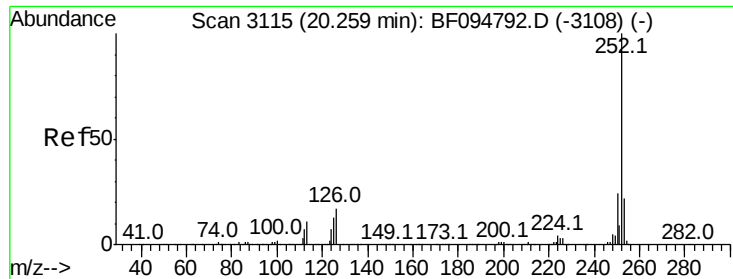
Delta R.T. 0.05 min

Lab File: BF095170.D

Acq: 16 May 2017 22:39

Tgt Ion:	252	Resp:	43424
Ion Ratio	Lower	Upper	
252	100		
253	24.2	18.4	27.6
125	14.6	13.1	19.7





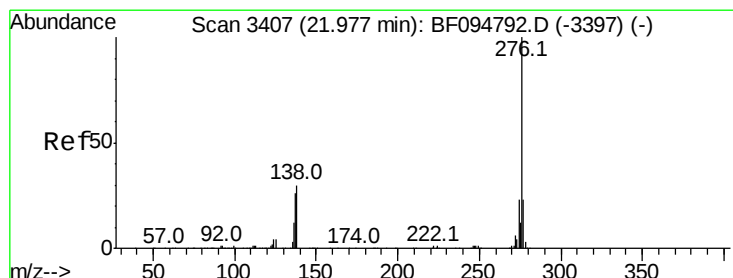
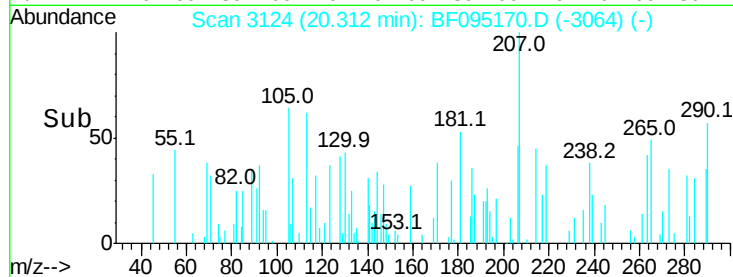
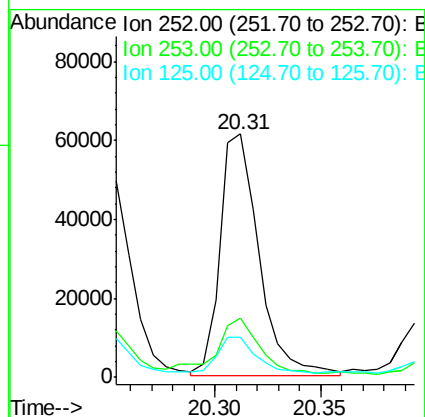
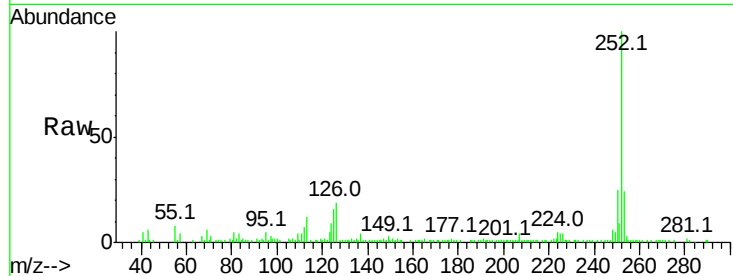
#89
Benzo(a)pyrene
Concen: 7.87 ng
RT: 20.31 min Scan# 3124
Delta R.T. 0.05 min
Lab File: BF095170.D
Acq: 16 May 2017 22:39

Instrument :
BNA_F
ClientSampleId :
MEADOW-SOIL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.5	26.3
125	16.3	11.0	16.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.71 ng
RT: 22.10 min Scan# 3428
Delta R.T. 0.12 min
Lab File: BF095170.D
Acq: 16 May 2017 22:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.9	18.6	28.0
138	35.4	25.4	38.0

